

10/523300

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau(43) International Publication Date  
25 November 2004 (25.11.2004)

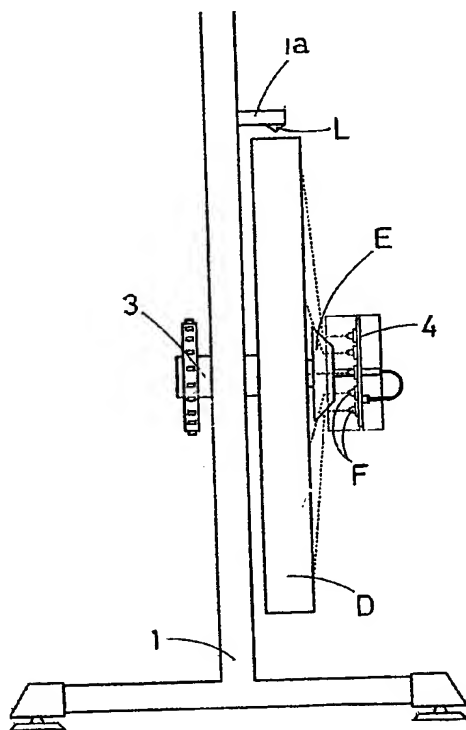
PCT

(10) International Publication Number  
WO 2004/101077 A1

- (51) International Patent Classification<sup>7</sup>: A63B 22/06, 24/00, G01P 3/40
- (21) International Application Number: PCT/IT2004/000268
- (22) International Filing Date: 13 May 2004 (13.05.2004)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data: AN2003A000028 16 May 2003 (16.05.2003) IT
- (71) Applicant and  
(72) Inventor: PANATTA, Rodolfo [IT/IT]; 2, Via Madonna della Fonte, I-62021 Apiro (MC) (IT).
- (74) Agent: BALDI, Claudio; 13 Viale Cavallotti, I-60035 Jesi (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: GYM BIKE THAT USES THE EFFECT OF STROBOSCOPIC LIGHTS FOR THE IMMEDIATE VISUAL CONTROL OF THE USER'S FLYWHEEL REVOLUTION SPEED



(57) Abstract: The present invention refers to a gym bike of the type provided with a flywheel actuated by pedals and an electronic control unit interfaced to a suitable keyboard and display capable of measuring the speed of the flywheel by means of a sensor and show it on the display, characterised by the fact that, once the speed that the user should maintain during the training session has been set on the control unit, the control unit can enable the operation of a stroboscopic light according to a switching on frequency equal to the angular speed or trigger multiple or sub-multiples of the speed that the flywheel should maintain to keep the predetermined speed of the exercise; it being provided that the stroboscopic light is directed onto one or more reflecting marks mounted on the surface of the flywheel.

WO 2004/101077 A1

BEST AVAILABLE COPY